

Bang & Olufsen

“Beovision”

Beovision M 20/MX 2000

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We congratulate you on choosing a Beovision as your new TV-set

You have acquired a colour-TV that was manufactured at one of the most advanced TV-plants in the world.

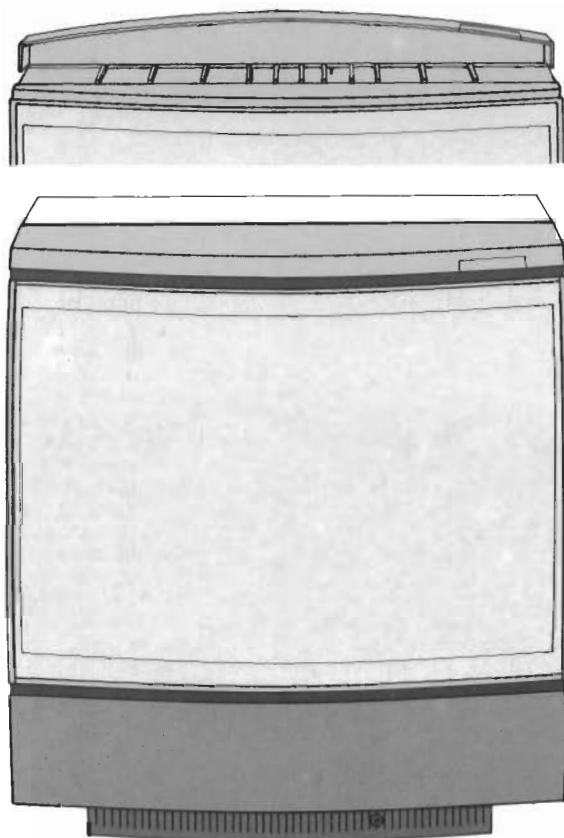
It is Bang & Olufsen's new factory at Struer, Denmark, where electronics and computers control the majority of functions in an ingenious production system developed by Bang & Olufsen's own staff.

And ingenuity and advanced electronics is what we have employed when developing your Beovision. We have allowed for the wide selection of exciting TV-programmes of the future, and we have achieved perfection in terms of quality. This means that you can always trust your Beovision to come up to your expectations.

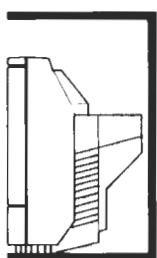
Any Bang & Olufsen product is easy to operate. But thanks to its advanced electronic design it also has a number of features that you may not be aware of rightaway. They are among the features explained in this owner's manual. Take your time to read it through and you will have the greatest benefit from your new Beovision.

We advise you to keep the owner's manual close to your TV-set – it may come in handy if you want to check a function.





Where can I place my Beovision?

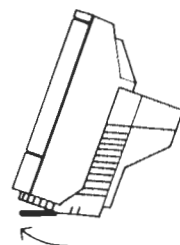
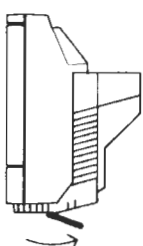
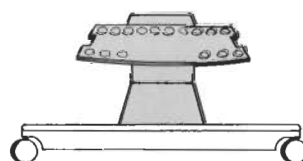


When placing your Beovision you must make sure that there is at least 10 cm of free space above the apparatus to ensure sufficient ventilation. Avoid placing the TV-set too close to a radiator or other heat sources, as the hot air current from these may cause damage to the TV-set.

The TV-set should be placed in an upright position or at a slight tilt backwards. The bracket underneath the TV-set must be turned forward to make the TV-set tilt. You have to lift the TV-set to gain access to the bracket.

The Beovision may also be placed on an original Bang & Olufsen stand. The stand, which is provided with castors, can be supplied by your

Bang & Olufsen dealer as optional accessory. The bracket underneath the TV-set must face backwards if you place the TV-set on the stand (see also the section »Accessories« on page 15).

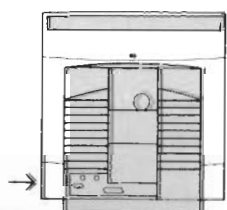


Aerial

The aerial socket is on the back of the TV-set in the lower left corner.

Perfect picture and sound requires adequate aerial con-

ditions. Let your dealer decide which type of aerial you need for good reception.

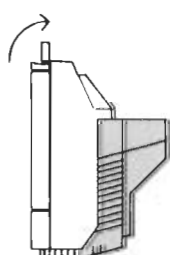


Power supply

The TV-set is designed for an AC current of 220 V. TV-sets sold in the UK are designed for a 240 V AC current.

When connecting the TV-set to the mains, you will see a tiny red light indicator in the upper right corner indicating that the TV-set is ready

to be operated, i.e. it is in so-called stand-by position. If there is no light when you connect the TV-set to the mains, the mains switch **on** **off** must be set to »on«. You will find the mains switch on the TV-set's operating panel underneath the top lid.



Preadjustments

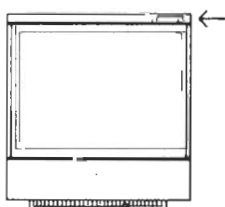
We are now going to describe the adjustments you have to make before you can operate your Beovision. You will come

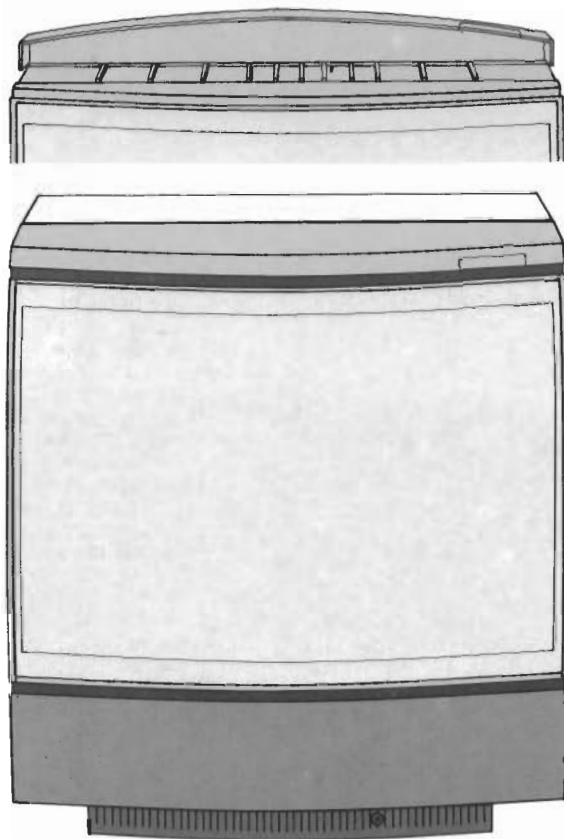
across words like programme number and channel number, which we think it may be useful for you to understand.

Programme number

A programme number is a number used as a kind of key to the TV-set. There is a total of 35 programme numbers (0-34) at your disposal and one of these must be chosen to switch on your Beovision. The programme number is selected on the Video Termi-

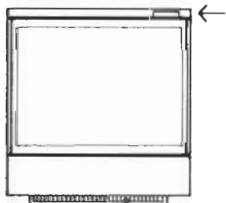
nal and is indicated by »Pr« on the display in the upper right corner of the TV-set. Note that programme number 0 gives access to satellite-TV (see page 12). The various programme numbers are explained in detail on page 19.





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Channel number



A channel number is a number to which a certain video carrier wave is linked. There is a total of 100 channel numbers (0-99) all of which have carrier waves linked to them. In most cases the channel number corresponds to the

channel designation of that specific carrier wave (e.g. 10). The channel number is indicated by »Ch« on the display in the upper right corner of the TV-set. The various channel numbers are enumerated on page 20.



To be able to carry out the necessary preadjustments, you first have to find a TV channel which can produce a picture. Adjustment of picture and sound is done on the TV-

set's own operating panel, whereas finding a TV channel is best done if you use the Video Terminal (the remote control unit enclosed with the Beovision).

Where is the TV-set's operating panel?

The operating panel with sliders and buttons for presetting

picture and sound is under the top lid of the TV-set.

How do I find a TV channel?

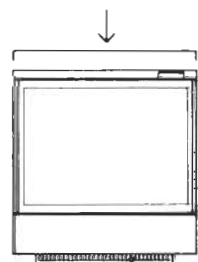
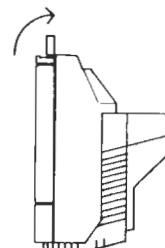
Your Beovision is able to find the TV stations which can be picked up in the area where you live, and you can control the scanning process with the Video Terminal.

Press **[1]** (programme number 1) on the Video Terminal. The figure 1 now appears on the display in the upper right corner of the TV-set.

Then press **[TV]** and **[tune]**. »Ch« now appears on the display and the TV-set starts searching for a station. You can follow the tuning process on the display as the TV-set

If you do not want to link this channel to programme number 1, you can continue the search for another channel by pressing TV and tune again. Press store when you reach the channel you want.

The TV-set may stop at a channel number immediately before the correct channel number. This is due to the TV channel's signals being so strong that they interfere with the channels surrounding it. The correct picture will appear on the screen, but obviously not as sharp and



runs through the channel numbers. The search stops automatically at the first station producing a sharp, stable picture.

If it is the station you want, press **[store]**. The channel found is now linked to programme number 1.

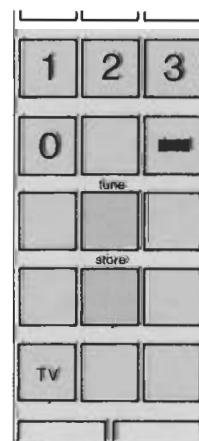
Direct channel selection

If you know the number of the channel you want, you do not have to wait for the TV-set finding that channel. When you have pressed the programme number **[1]** and then **[TV]** and **[tune]** you immediately press the number of the channel you want, e.g. **[1][0]**. The TV-set then goes to

stable as required. Just press **[TV]** and **[tune]** again and the TV-set will jump to the correct channel number (e.g. from 9 to 10). Then you press **[store]**.

channel number 10 directly. Then you press **[store]**. Channel number 10 is now linked to programme number 1.

Next time you want to switch on your Beovision on that channel, all you have to do is press **[1]** on the Video Terminal.

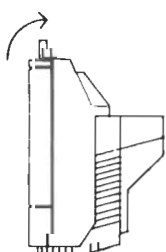
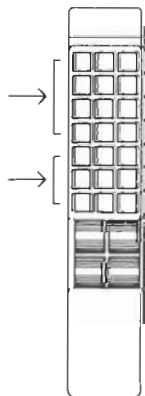
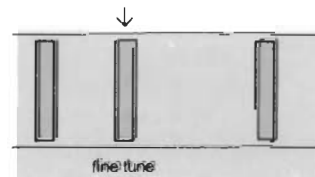


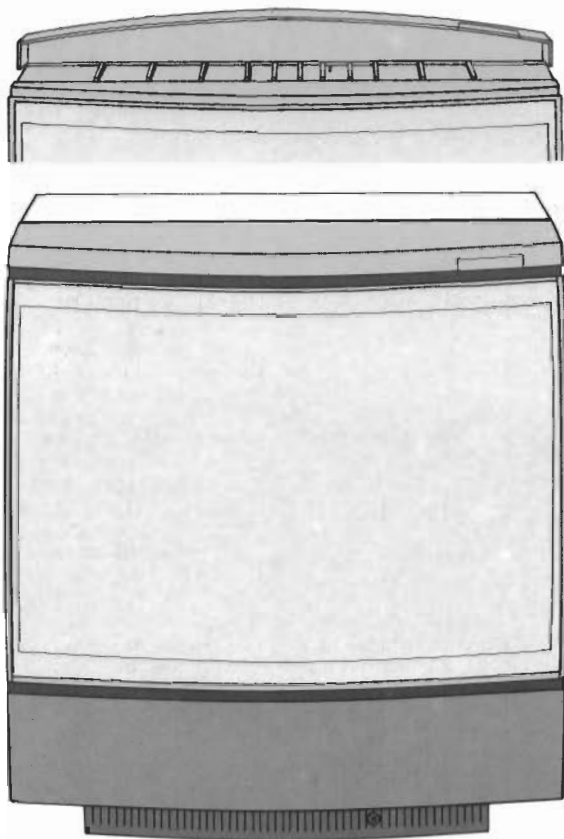
Fine tuning TV channels

The TV channel which the TV-set has found may be unable to produce a sufficiently sharp and stable picture. If you are certain that it is the correct channel number and so it is no use jumping to the next channel number, you can fine tune the channel by using the button **[fine tune]** on the TV-set's operating panel. Pressing the upper half of the button fine tunes towards the channel lying immediately after the channel where you are, and pressing the lower half of the button fine tunes towards the channel lying immediately before the chan-

nel where you are. Press **[store]** after fine tuning the channel. The TV-set will then memorize the fine tuning every time you switch on your Beovision on that channel number.

If your TV-set is provided with teletext, any need for fine tuning a channel will show quite distinctly when you use the teletext function. Incorrect signs and letters will then appear on the screen. As you touch **[fine tune]**, the TV-set reverts to the TV programme transmitting teletext, and you can now carry out the fine tuning.





5

We now presume that you have a sharp and stable picture, and you may now proceed to adjusting picture and sound.

ceed to adjusting picture and sound.

How do I preset brilliance, colour and contrast?

Picture adjustment will be most precise if you are looking at a test picture or a TV programme transmitted directly from a TV studio, e.g. a news programme. Your perception of brilliance, colour and contrast will be most accurate if you avoid making the adjustments in direct sunlight.

The buttons **brilliance**, **colour** and **contrast** on the TV-set's operating panel are used to adjust the picture.

We recommend you first remove the colour completely so that you have a black and white picture. To do so, press the lower half of the button **colour** until the figure 0 appears on the display.

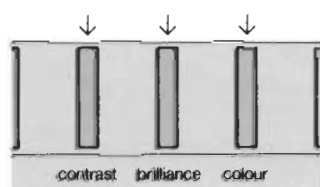
Then use the button **brilliance** (press upper or lower half) to adjust the brilliance of the picture until there

is a marked difference between the two darkest areas in the grey scale of the test picture.

Contrast is then adjusted by pressing **contrast** (upper or lower half) until the contrast between the black and white areas in the grey scale of the test picture seems most natural.

Now turn on the colour again with the button **colour** (press upper or lower half) and adjust the colour until they have the intensity that seems most natural to you.

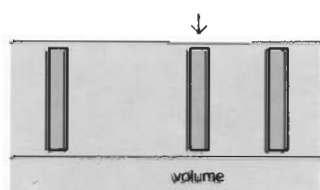
If all these adjustments give rise to any doubts, we suggest you set brilliance, colour and contrast to 50 on the display. Doing so is certain to produce a picture which in most cases seems most natural.



How do I preset volume?

Find the button **volume** on the TV-set's operating panel and adjust to the level that suits you best. This level will then

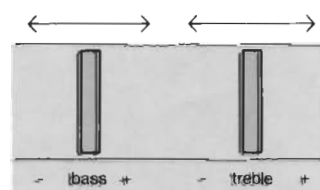
be the level you hear every time you switch on the TV-set.



Bass and treble

Set the sliders **bass** and **treble** on the TV-set's operating panel in the centre positions. This will ensure bass and treble levels that are the most neutral. You can raise or lower the bass and treble

levels by pushing the sliders right or left.

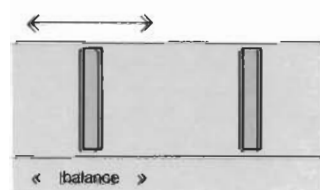


Loudspeaker balance

The distribution of sound in the right and left loudspeakers can be adjusted with the slider **balance** on the TV-set's operating panel. If you set the slider in its centre position, the two loudspeakers will produce equal amounts of sound and the listening centre will be right in front of the TV-set.

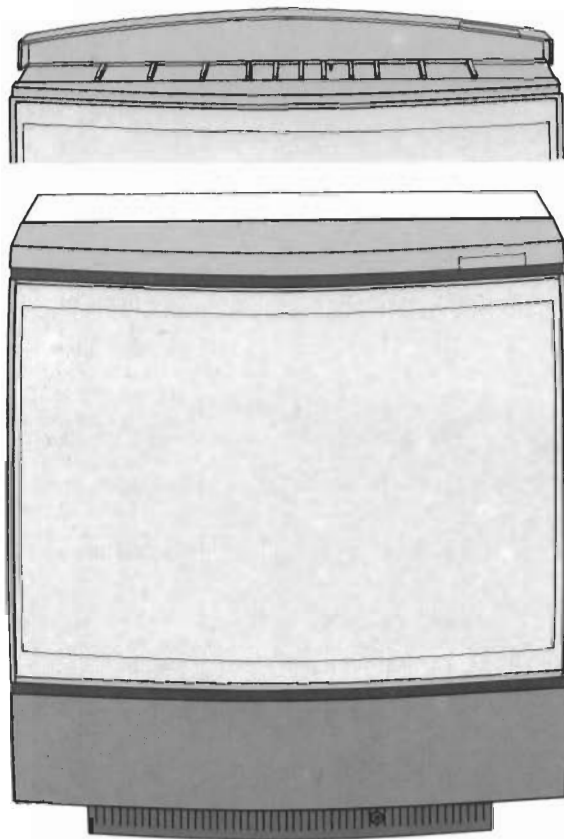
If your listening position is not equidistant from the two speakers, you can move the listening centre so that it suits your listening position

better. If you push the slider to the right, the right speaker will produce more sound, and if you push the slider to the left, the left speaker will produce more sound.



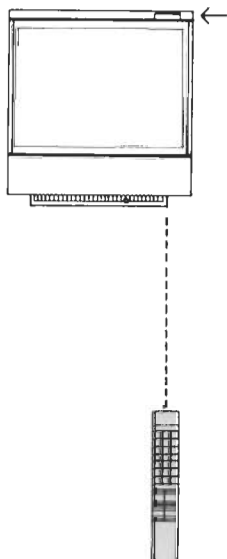
You have now adjusted picture and sound, and from now on you can operate your Beovision from a distance

using the Video Terminal. If you want to switch off the TV-set now, press  on the Video Terminal.



7

How to use the Video Terminal



Once you have made all the adjustments previously described, you can forget everything about the buttons on the TV-set. The Video Terminal is now the key to your Beovision and you can sit back in your chair and perform all the functions from

there. Make sure that the Video Terminal and the TV-set can »communicate«, i.e. there must be no opaque surfaces between the Video Terminal and the TV-set's »eye«, which is situated on the right-hand side of the figure in the display.

How do I switch on the TV-set?

Press **[1]**. You will then see the TV programme broadcast on the TV channel which you linked to programme number 1 during the preadjustments.

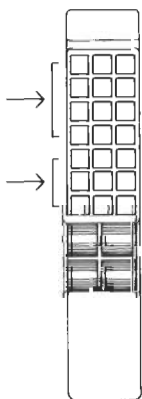
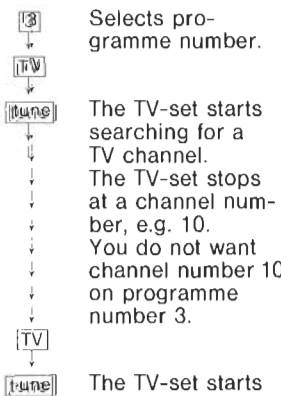
You can also switch on the TV-set by pressing **[TV]**. If you do so, you will automatically get programme number 1.

How do I preset all the TV channels?

You may preset as many as 32 TV channels by linking each one of them to one of the programme numbers from 1 to 32. If you have preset all the TV channels that can be picked up in your area, you just have to press the appropriate programme number on the Video Terminal to switch on the TV-set on the TV channel desired.

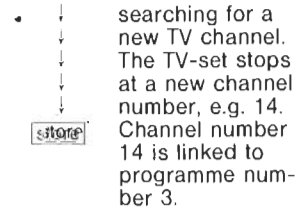
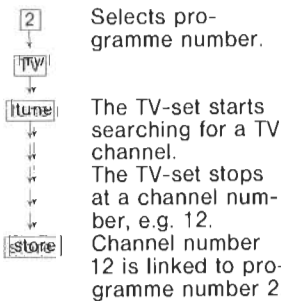
You may have say your favourite channel on programme number 1. On programme number 2 you may have another channel which you also watch frequently. Proceed to preset all the TV channels until you have com-

You may also do it in the following way:

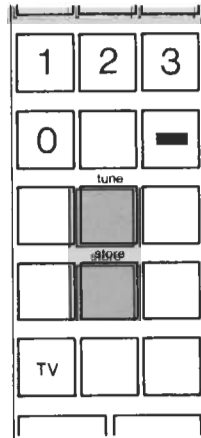
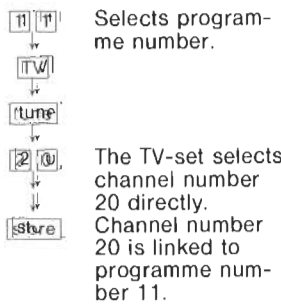


piled your own choice of programmes.

Now take the Video Terminal and preset the TV channels as shown below:

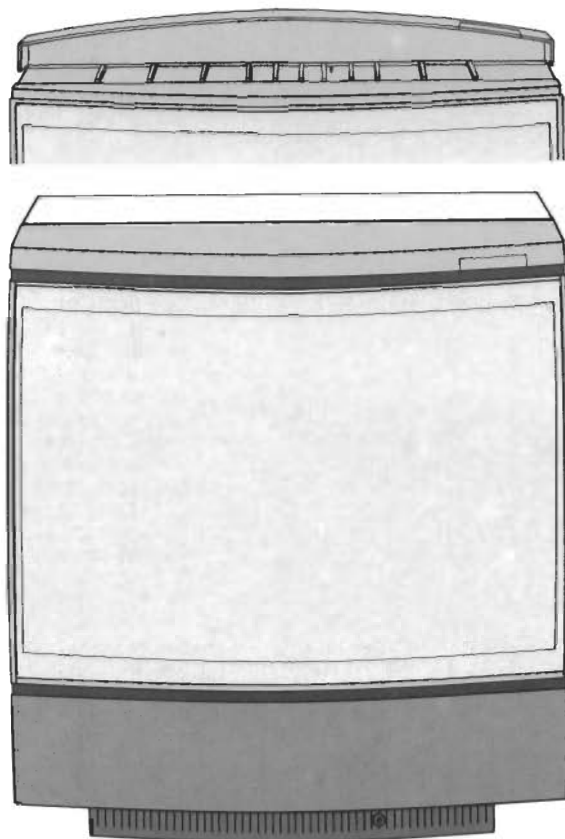


If you know the number of the channel you want, proceed to do the presetting in the following way:



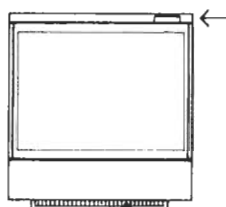
Note that it may be required to fine tune the TV channels

(see the section »Fine tuning TV channels« on page 4).



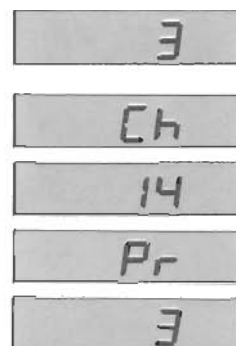
9

Did the TV-set execute my commands?

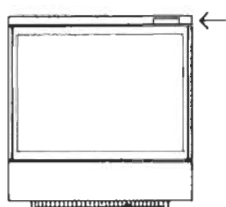


The TV-set confirms every command you send to it. The moment you press a programme number, it can be read on the display in the upper right corner of the TV-set, and the moment you have found a TV channel, the number of that channel can be read on the display. Then you press **[store]** to link the channel to the programme number in question, and the programming sequence will now appear on the display in reverse order.

If you want to check a programming, e.g. which channel is linked to a given programme number, this can easily be done. Press the programme number concerned, e.g. **[3]**. The figure 3 will now appear on the display. Now press **[TV]**. »Ch« will now appear on the display followed by the channel number and then »Pr« followed by the programme number.



What does the blinking dot mean?



If you see a blinking dot appearing immediately after one of the display sequences described in the previous section, this is an indication that the TV-set has not memorized your programming. The moment you press **[store]**, the dot disappears and the TV-set will memorize your programming.

This also applies to the fine tuning process. If you see a blinking dot after fine tuning a TV channel with **[fine tune]**, you must press **[store]** to make the TV-set memorize your fine tuning.



How do I switch off?

Press the button **[stand-by]**. The tiny light indicator goes on again

and the TV-set is now in its stand-by position.



Summary of all Video Terminal functions

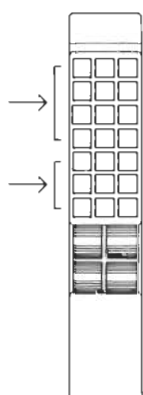
The Video Terminal gives access to four main functions:

- operating the Beovision
- operating built-in teletext
- operating a Beocord video tape recorder
- reception of satellite TV programmes

Operating the Beovision

Once you have switched on your Beovision, either with the button **[TV]** or by selecting

a specific programme number, the following functions will be at your disposal:



[0] - [9]

Select programme number, or channel number during the tuning process. Remember that programme number 0 gives access to reception of satellite TV programmes (see the section »Reception of satellite TV programmes«).

[sound]

Switches between the two languages of dual language TV broadcasts. Switches between mono and stereo sound from TV programmes transmitted in stereo.



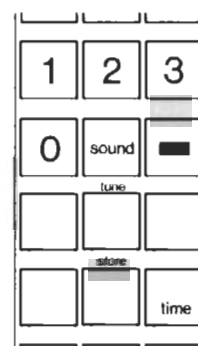
[tune]

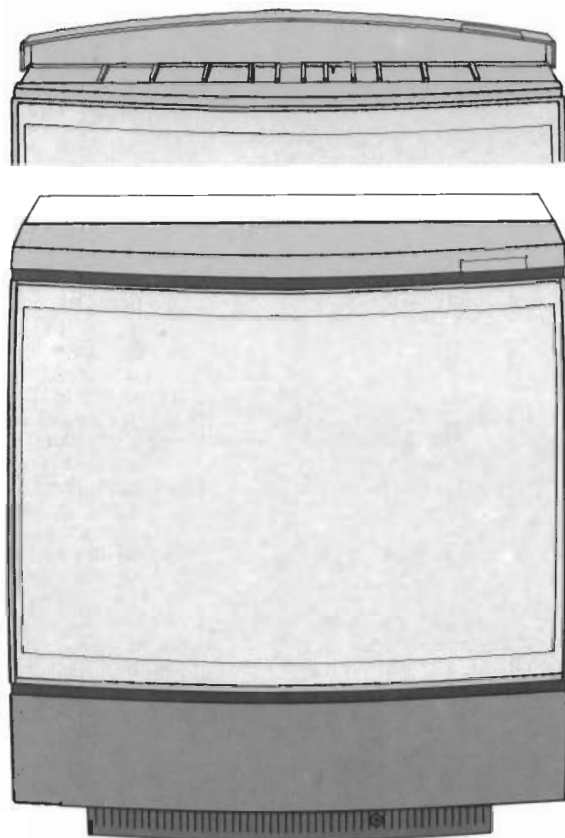
Switches off the TV-set (stand-by position).

Direct selection of channel number: press **[TV]**, **[tune]** and then the number of the channel. Automatic tuning: press **[TV]** and **[tune]**. The TV-set tunes in on the first channel that can produce a sharp and stable picture. Press **[TV]** and **[tune]** again to continue tuning.

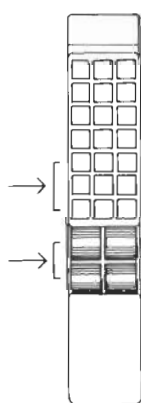
[store]

Links a channel to a specific programme number.





11



time

Time is shown on the TV screen if you have built-in teletext and have selected a TV channel transmitting teletext.

TV

Switches on the TV-set on programme number 1. Reverts to TV operation after teletext mode, video tape recorder mode, or satellite mode. Gives access to the tuning function.

reset

Resets volume level, brilliance and colour to their preset levels. Switches on the TV-set on programme number 1.

mute

Mutes the sound immediately, without switching off. Press **mute** again or **volume** (up) to restore the sound. Switches on the TV-set on programme number 1 with sound muted. Press **mute** again or **volume** (up) to restore sound.

brilliance

Adjusts brilliance; up brighter, down darker.

volume

Adjusts volume level; up louder, down softer.

colour

Adjusts colour; up more colour, down less colour.

step

Scans the programme numbers in numerical order, upwards or downwards. Scans the channel numbers in numerical order during tuning, upwards or downwards. Switches on the TV-set on programme number 1.



Operating teletext

(applies only to Beovisions with built-in teletext.)

After switching on the TV-set, press the button **Text**. You will now have access to the teletext functions, which are operated with the following buttons on the Video Terminal:

The teletext functions are described in detail in the separate owner's manual for teletext.

Press **TV** to revert to ordinary TV operation.

10 - 9

large

reveal

update

halt

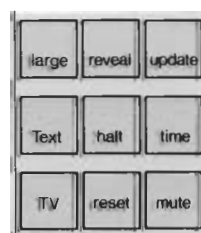
Select pages
Enlarged text
Reveals concealed text
Automatic teletext updating
Locks page

time

step

reset

Memorizes page
Steps through pages, forward or backwards
Page index (page 100)



Operating a Beocord video tape recorder

By pressing **Tape** you switch from TV operation to operating a Beocord video tape recorder connected to the Beovision. You have now access to the following functions on the Video Terminal:

The video tape recorder functions are explained in detail in the separate owner's manual for the Beocord video tape recorder.

Press **TV** to revert to ordinary TV operation.

10 - 9

play

record

<<

>>

stop

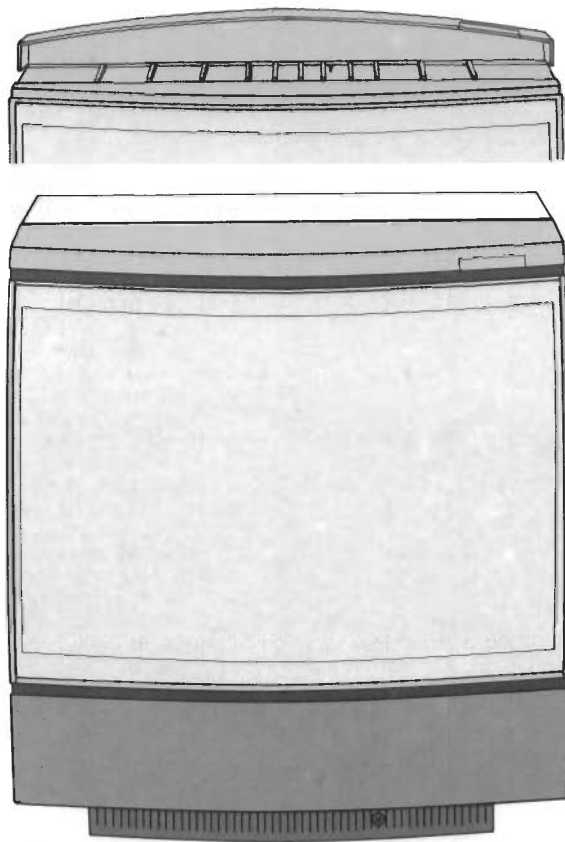


Reception of satellite TV programmes

The button **TV** gives access to receiving TV programmes transmitted via satellite.

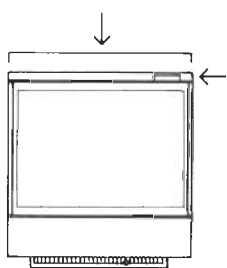
Press **TV** and the programme number desired to revert to ordinary TV operation.





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Operating without the Video Terminal



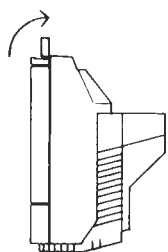
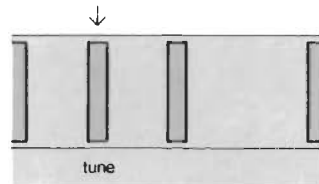
So far we have been describing how to operate the Beovision with the Video Terminal. It is also possible to operate the Beovision without the Video Terminal, but in that situation only the primary functions can be carried out.

If the TV-set is in its stand-by position, i.e. if the tiny light indicator is on, you can switch on the TV-set by pressing the button **tune** under the top lid. The TV-set immediately tunes in on a channel that can produce a

sharp and stable picture. The channel number can be read on the display.

If you do not want this channel, just press **tune** again to make the TV-set tune in on another channel.

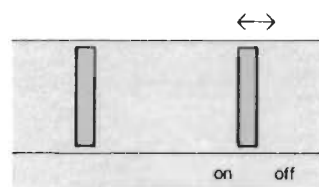
The buttons **volume**, **brilliance**, **colour** and **contrast** are used to adjust the volume level, brilliance, colour and contrast. Note, however, that such adjustments will change the presettings you have previously made.



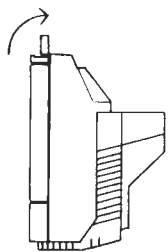
How do I switch off without the Video Terminal?

You have to set the mains switch **on off** to »off«, meaning that you disconnect the

TV-set from the power supply.



Stereo sound



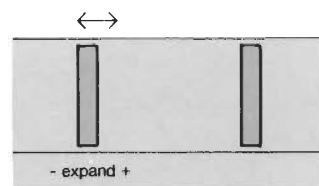
Stereo enhancement

You can enhance the stereo image so that the distance between the two loudspeakers seems wider than it actually is.

Set the button **expand** to »+« to enhance the stereo image. Note the light indicator »/« on the display. It will tell you if the stereo image is enhanced.

You can enhance the stereo image of TV programmes broadcast in stereo and of stereo video tapes played back on a stereo video tape recorder.

Note: In the UK no TV programmes are broadcast in stereo.



How do I know if a TV programme is broadcast in stereo?

If a TV programme is broadcast with stereo sound, the

light indicators < > will be on.



Is it only the stereo image that can be enhanced?

You can also enhance the mono sound picture and obtain what is popularly referred to as pseudo-stereo.

Again set **expand** to »+«. The indicator »/« will appear on the display.



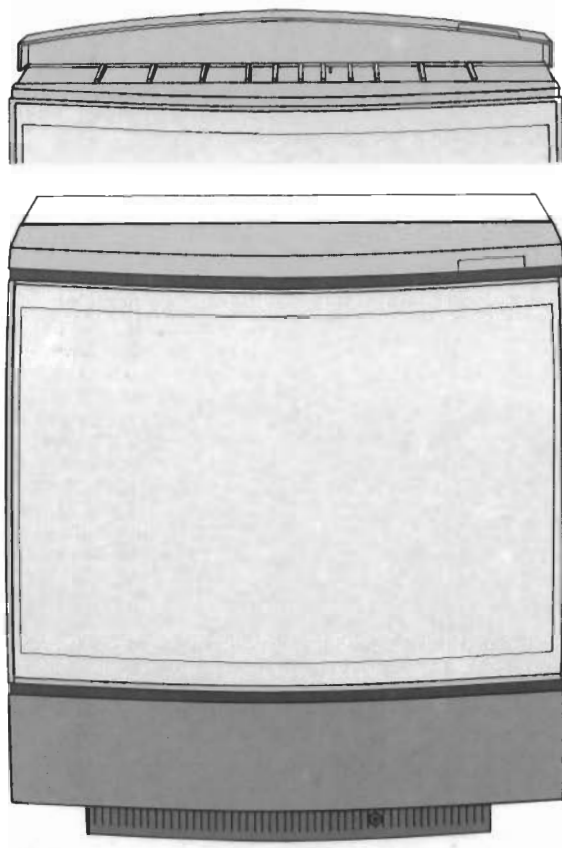
What if the stereo signal is muzzy?

If the stereo sound of a TV programme is bad, e.g. owing to weak signals or inadequate aerial conditions, you may in most cases be able to enhance the sound by switching to mono. To do so just press **sound** on the Video Terminal. Press **sound** again

to make the stereo sound reappear.

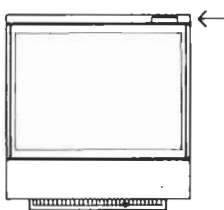
Once you switch to another programme number or switch on again after stand-by, the TV-set will automatically reproduce the stereo sound, if any.





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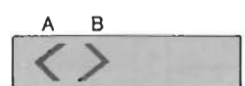
Dual language TV programmes



When watching a dual language TV programme you will automatically hear language A, i.e. the language heard if your Beovision was a mono TV-set. If you want to hear language B instead, say the original sound of foreign films, you just press **[sound]** on the Video Terminal.

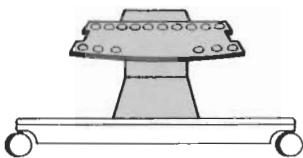
Note the light indicators on the display. They will tell you if you are listening to language A (<) or language B (>).

Note: In the UK no TV stations broadcast dual language programmes.



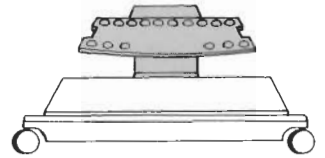
Accessories

Stands

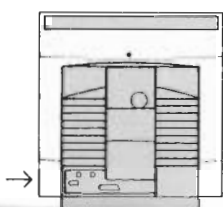


- Stand with castors, type no. 3069.
- Stand with castors and shelf for Beocords VHS 65, 80 and 90 video tape recorders, type no. 3070.
- Stand with castors and shelf for Beocords VCR 60, 61 and 70 and Beocord VHS 62 video tape recorders, type no. 3071.

The stands can be supplied by your Bang & Olufsen dealer as optional accessories.



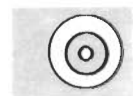
Video tape recorder



A video tape recorder can be connected to your Beovision via the aerial socket. One of the programme numbers 9, 31 or 32 on the Beovision must be selected for playing back video tapes.

Olufsen dealer as optional accessory.

If you connect the video tape recorder and the TV-set via the A/V sockets, picture and sound can be transferred directly without you having to



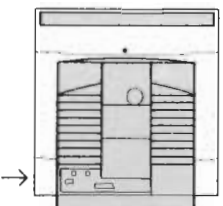
You may also connect your video tape recorder to the 21-pole A/V socket. This requires an A/V cable with a 21-pole plug at one end and a 6- or 21-pole plug at the other, depending on the A/V socket on your video tape recorder. The A/V cable can be supplied by your Bang &

select a programme number for video playback on the TV-set. This also ensures optimum picture quality.

Note: Transferring stereo sound requires the video tape recorder and the TV-set to be connected via their A/V sockets.



Video disc player



A video disc player must be connected to the 21-pole A/V socket. The TV-set automatically switches to video play-

back without you having to select programme on the Beovision.

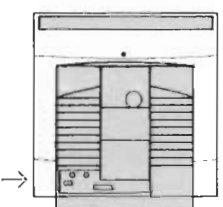
TV game or home computer

Such equipment must be connected to the 21-pole A/V socket, and you must select

one of the A/V programmes on the Beovision (number 33 or 34).



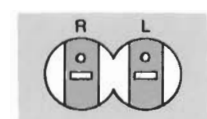
Extra loudspeakers



The extra loudspeakers must be connected to the speaker sockets on the rear panel of the Beovision. The right speaker should be connected to the socket marked R, and the left speaker should be connected to the socket marked L. Loudspeakers with

an impedance of 8 ohms must be used.

If you plug in extra speakers, the built-in speakers will be cut out. If you have plugged in headphones, plugging in extra speakers will also cut out the headphones.



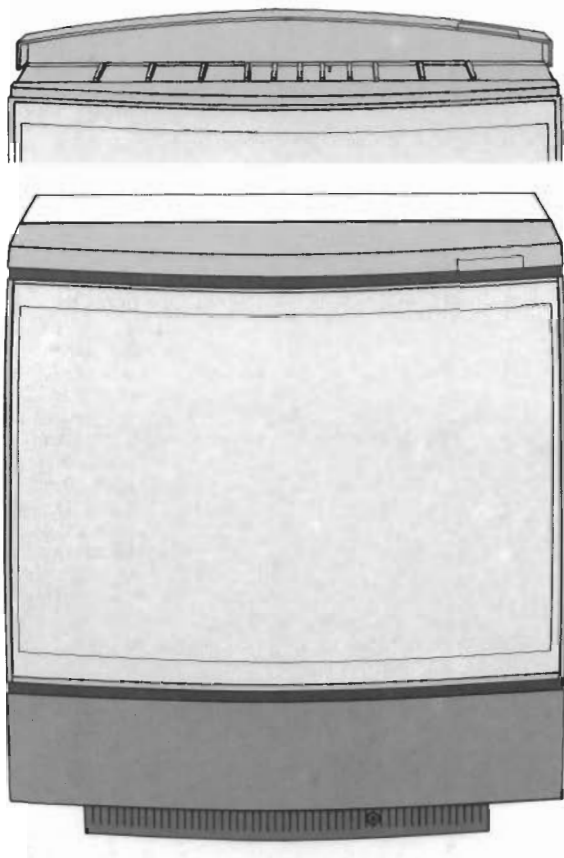
Headphones



Connecting headphones to your Beovision allows you to watch TV without disturbing anyone around you. The socket for headphones is in the lower right corner of the TV-set.

Connecting headphones to your Beovision makes the sound in the built-in speakers disappear.





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Teletext

A teletext module can be built into all Beovisions not equipped with teletext already. The module required can be supplied by your Bang & Olufsen dealer as optional accessory:

Scandinavian alphabet: part no. 8003557.
German alphabet: part no. 8003558.
English alphabet: part no. 8003559.

Loop amplifier for the hard of hearing

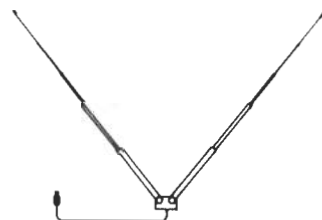
A loop amplifier can be connected to your Beovision, enabling the sound from your TV-set to be transmitted to a hearing aid that is provided with a loop/microphone switch. You can adjust the

volume independently of the sound reproduced through the speakers in the Beovision. Your Bang & Olufsen dealer can supply the loop amplifier (part no. 8003316) as optional accessory.

Indoor antenna

An indoor antenna specially designed for your Beovision is available as optional accessory (part no. 8720024).

The antenna can be supplied by your Bang & Olufsen dealer.



What is on the rear panel?

Aerial socket

The aerial socket is used for both VHF and UHF channels.

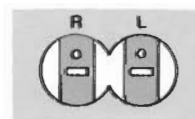
Note: In the UK only the channels in the UHF range are available.



Sockets for extra loudspeakers

The left speaker must be connected to the socket marked L. The right speaker must be connected to the socket marked R.

Loudspeakers with an impedance of 8 ohms must be used.



AMP/TAPE socket

You may connect an ordinary audio tape recorder to your Beovision via this socket and thus be able to record the TV sound on an audio tape. Before playing back the tape, you must disconnect the tape recorder from the AMP/TAPE socket and connect the tape recorder to a radio or amplifier instead. The reason for this is that if you play back the tape through the TV-set, the tape recorder sound will be reproduced »on top of« the sound from the TV-set.

You may also connect a radio, e.g. a Beomaster, to your Beovision via this socket. If you do so, the TV sound will be reproduced through the radio and the loudspeakers connected to the radio. In this situation you may even adjust the volume level by means of the Video Terminal.

Your Bang & Olufsen dealer can inform you of the interconnect cables required.



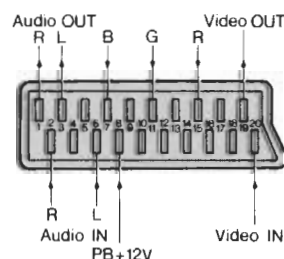
A/V socket

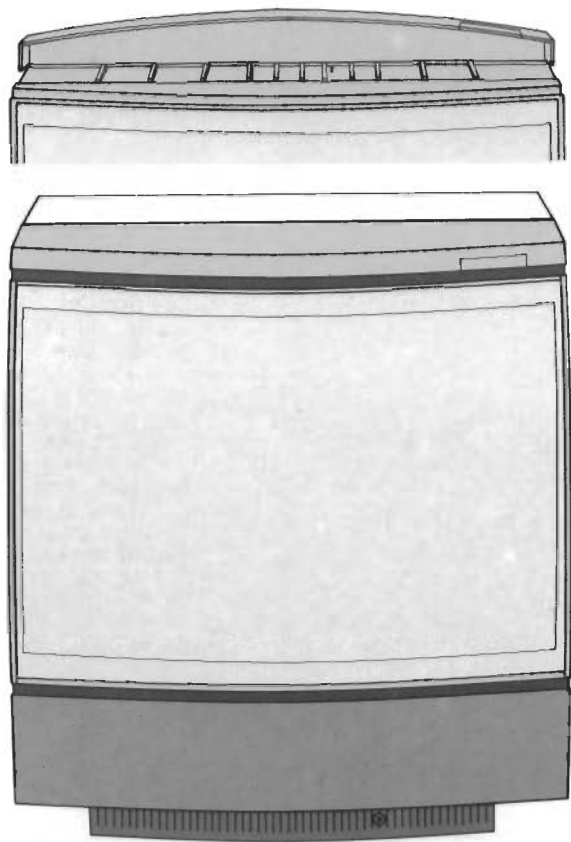
The 21-pole A/V socket can be used for connecting a video tape recorder or other video equipment.

Connecting your video tape recorder with an A/V socket to your Beovision via the 21-pole A/V socket allows you to transfer both picture and sound directly between

your TV-set and the video tape recorder. You do not have to select one of the programme numbers on the Beovision for video playback, and you are also certain to obtain optimum picture quality.

Your Bang & Olufsen dealer can inform you of the A/V cable required.





Complete list of programmes and channels

Programme numbers

1 - 32:	For presetting TV channels.	33 and 34:	A/V programmes, to be used in connection with TV games, home computers, and video tape recorders without a control voltage. Note: All Bang & Olufsen video tape recorders have a control voltage.
9, 31 and 32	For video playback via aerial socket (expanded synchronizing area).		
0:	Reception of TV programmes transmitted via satellite.		

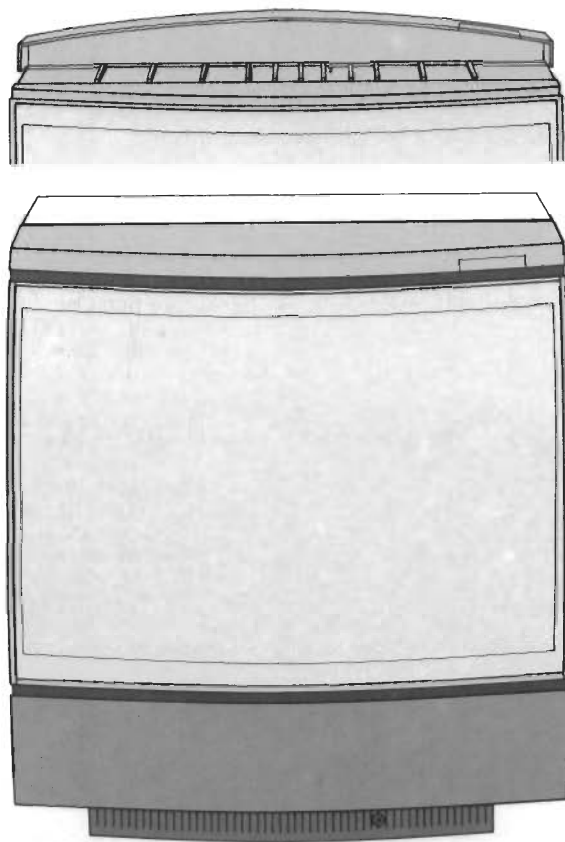
Channel numbers

The tuning system gives you a choice of 100 TV-channels. However, the TV-receiver itself is restricted to the channels permitted in your country. The other channels may be reserved for other services, e.g. FM radio or mobile telephone systems.

In a few cases more than one channel is on the same MHz frequency.

In the UK only the channels in the UHF range are available. This reduces the total number of channels to 44, i.e. 21 - 34 and 39 - 68.

Channel number	Channel designation	Video carrier-wave MHz	Channel number	Channel designation	Video carrier-wave MHz	Channel number	Channel designation	Video carrier-wave MHz	Channel number	Channel designation	Video carrier-wave MHz
1	AU0	46,25	26	K26	511,25	51	K51	711,25	76	S1	69,25
2	K2	48,25	27	K27	519,25	52	K52	719,25	77	S2	76,25
3	K3	55,25	28	K28	527,25	53	K53	727,25	78	S3	83,25
4	K4	62,25	29	K29	535,25	54	K54	735,25	79	R II-20 IR	59,25
5	K5	175,25	30	K30	543,25	55	K55	743,25	80	R V-50 IR	93,25
6	K6	182,25	31	K31	551,25	56	K56	751,25	81	M1-S1	105,25
7	K7	189,25	32	K32	559,25	57	K57	759,25	82	M2-S2	112,25
8	K8	196,25	33	K33	567,25	58	K58	767,25	83	M3-S3	119,25
9	K9	203,25	34	K34	575,25	59	K59	775,25	84	M4-S4	126,25
10	K10	210,25	35	K35	583,25	60	K60	783,25	85	M5-S5	133,25
11	K11-H1-L	217,25	36	K36	591,25	61	K61	791,25	86	M6-S6	140,25
12	K12-H2	224,25	37	K37	599,25	62	K62	799,25	87	M7-S7	147,25
13	A	53,75	38	K38	607,25	63	K63	807,25	88	M8-S8	154,25
14	B	62,25	39	K39	615,25	64	K64	815,25	89	M9-S9	161,25
15	C	82,25	40	K40	623,25	65	K65	823,25	90	M10-S10	168,25
16	D	175,25	41	K41	631,25	66	K66	831,25	91	U1-S11	231,25
17	E	183,75	42	K42	639,25	67	K67	839,25	92	U2-S12	238,25
18	F	192,25	43	K43	647,25	68	K68	847,25	93	U3-S13	245,25
19	G	201,25	44	K44	655,25	69	K69	855,25	94	U4-S14	252,25
20	H	210,25	45	K45	663,25	70	AU1	57,25	95	U5-S15	259,25
21	K21	471,25	46	K46	671,25	71	AU2	64,25	96	U6-S16	266,25
22	K22	479,25	47	K47	679,25	72	AU3	86,25	97	U7-S17	273,25
23	K23	487,25	48	K48	687,25	73	AU4	95,25	98	U8-S18	280,25
24	K24	495,25	49	K49	695,25	74	AU5	102,25	99	U9-S19	287,25
25	K25	503,25	50	K50	703,25	75	AU5A	138,25	0	S20	294,25



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Maintenance

Cabinet

The cabinet may be wiped with a firmly wrung cloth

dipped in a lukewarm solution of detergent and water.

Daylight viewing screen (Beovision MX 2000)

Normally, it is only necessary to clean the outer surface of the screen, but in particularly smoky and dusty conditions, particles may penetrate the space behind, forming a thin film of dirt on the inner surface. Should this happen, the clarity of the picture may be adversely affected and the screen should be removed and its inner surface cleaned. It should be stressed, however, that this should be done only infrequently and only if absolutely necessary.

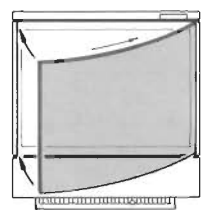
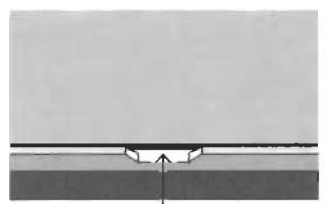
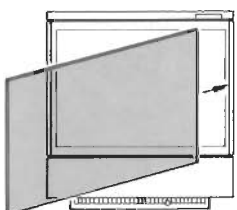
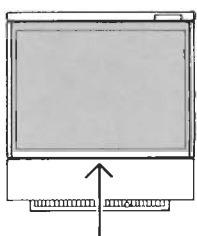
To remove the screen, hook a finger under its lower edge in the recess, as illustrated opposite, and pull sharply outwards.

Once the screen is detached wipe its inner sur-

face with a damp cloth and a suitable anti static preparation. (The type of softener used to rinse clothes is quite adequate for this). Finally, polish the screen with a clean dry soft cloth to ensure that no moisture remains and to produce a shiny finish.

To replace the screen, insert one edge into the appropriate side groove as shown in the diagram and then flex the screen outwards slightly and press the other edge into its corresponding groove. Ensure that both edges are seated properly by applying firm but gentle inward pressure, from the sides, with both hands.

Remove any resulting finger marks with a soft cloth.



Screen

The glass surface may be sprayed with a window clean-

er and wiped with a dry cloth.

Buttons and picture frame

A firmly wrung cloth dipped in a lukewarm solution of detergent and water may be used. Do not use alcohol or

other powerful detergents as they may be harmful to the material used for buttons and picture frame.

Video Terminal

The Video Terminal may be wiped with a firmly wrung cloth dipped in a lukewarm solution of detergent and water.

The battery in the Video Terminal should be replaced as required. Use an IEC 6F22

(PP3) battery. The battery compartment is underneath the cover on the back of the Terminal.

Note how to place the battery before removing the old one and inserting the new one.

For the UK market only

IMPORTANT

The wires in the mains lead supplied with this apparatus are coloured in accordance with the following code:

Blue: Neutral

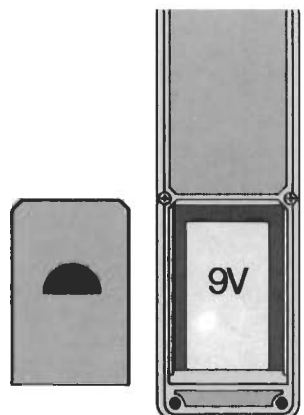
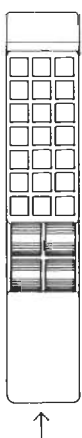
Brown: Live

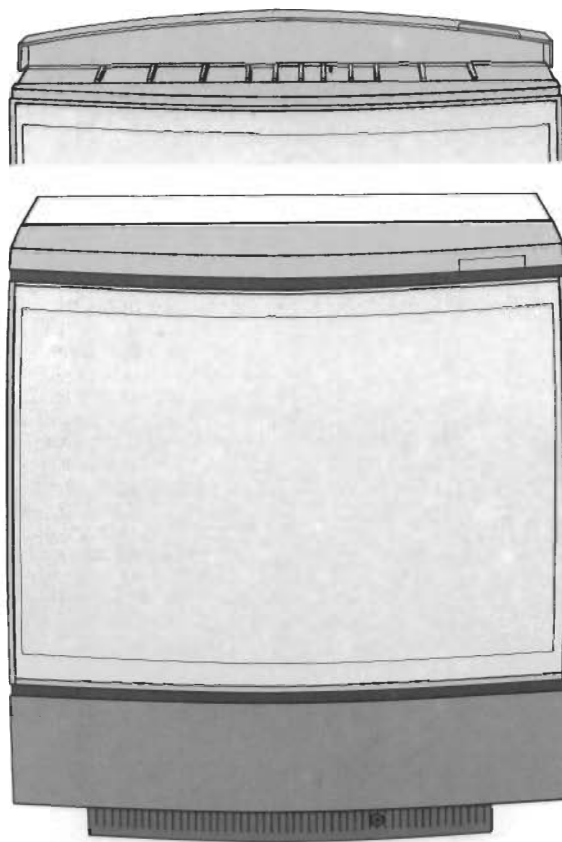
As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your unit, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.





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International guarantee

This Bang & Olufsen product carries a guarantee against defects in workmanship and materials. It is a national guarantee, extended by Bang & Olufsen in the country in which the product was bought. The terms of the guarantee apply principally to the country of purchase but will be met by authorized Bang & Olufsen dealers in other countries.

In order to obtain service under this guarantee from a dealer in a country other than that in which the product was bought, the guarantee form must be completed in full and presented to the dealer.

BANG & OLUFSEN
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DENMARK